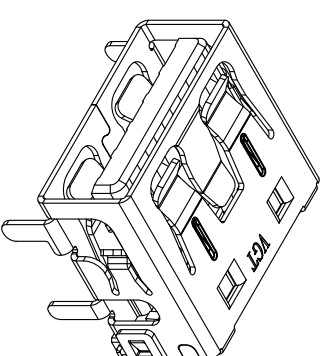
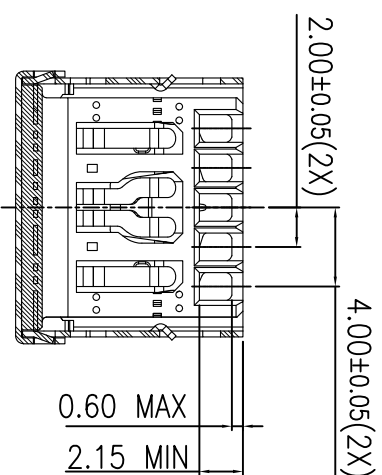
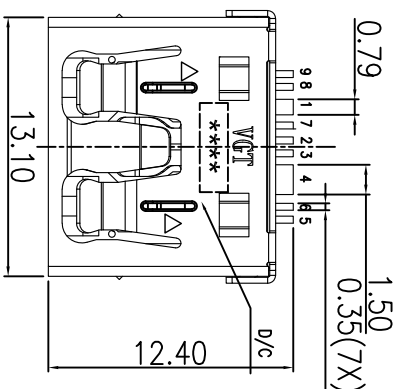




PART NUMBER : JCN-31AG-UGAB-XXXX1

Plastic Color:
A=Blue
B=Black

Package:
R=Taping Reel
T=Tray

Gold Plating
G=Gold Flash
A=3u"
B=6u"
C=10u"
D=15u"
E=30u"

NOTES:

1. ELECTRICAL CHARACTERISTICS:

1-1 CONTACT CURRENT RATING:

3A FOR VBUS PIN AND ITS CORRESPONDING GND PIN,

0.25A MIN FOR ALL OTHER CONTACTS.

1-2 CONTACT RESISTANCE:

INITIAL 30 MILLIOHMS MAX FOR VBUS AND GND CONTACT,
INITIAL 50 MILLIOHMS MAX FOR ALL OTHER CONTACT,

AFTER DURABILITY 10 MILLIONHMS MAX CHANGE,

1-3 DIELECTRIC WITH STANDING: 100 V AC

2. MECHANICAL CHARACTERISTICS:

2-1 CONNECTOR MATING FORCE: 35N MAX

2-2 CONNECTOR LIMITING FORCE: 10N MIN INITIAL 8N MIN AFTER DURABILITY

2-3 DIAPHRAGMATIC CYCLES

2-4 OPERATING TEMPERATURE RANGE: -20°C TO $+85^{\circ}\text{C}$

2. 1 OF LIVING 16MM LIVING WALLS: 200 TO 1000

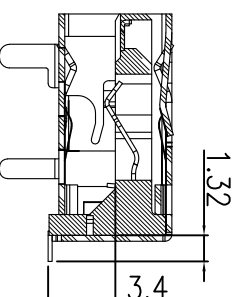
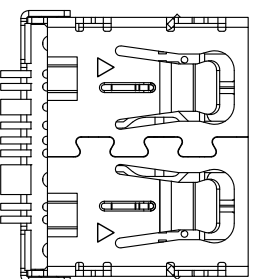
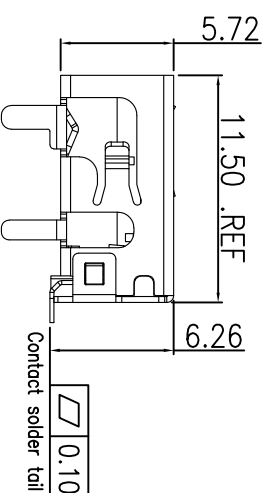
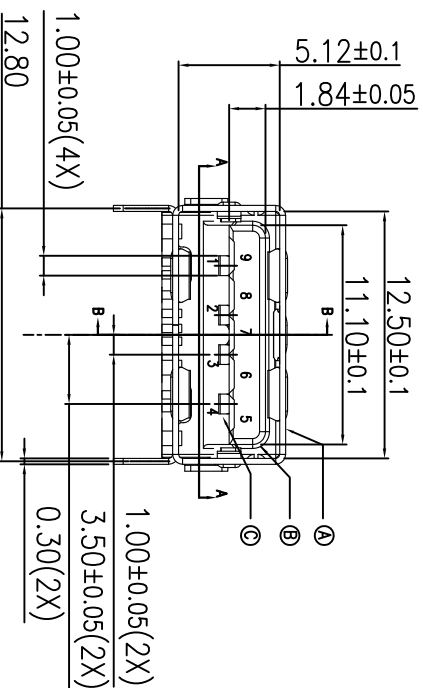
MEASUREMENTS IN MILLIMETERS, DIMENSIONAL DIMENSIONS ARE

RECOMMENDED PROCESS: IR REFLOW PEAK TEMPERATURE 260°C

THE CONNECTOR IS ROHS COMPLIANT AND HALOGEN FREE

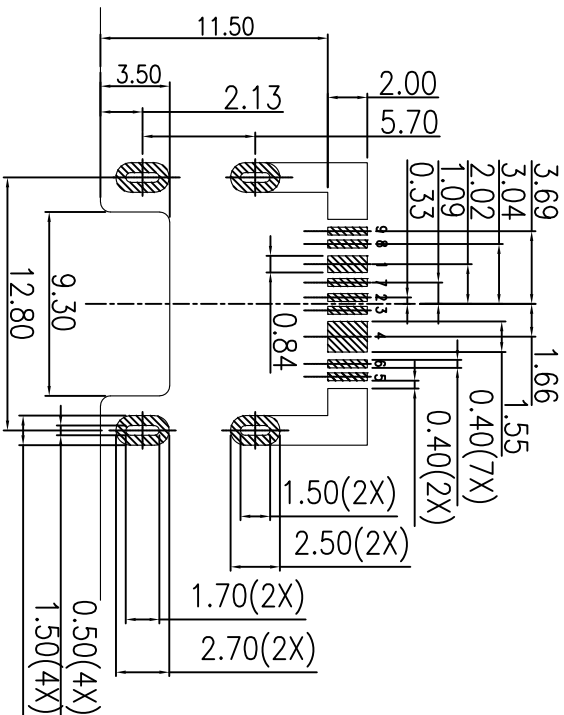
WHEN PLUG IS INSERTED INTO CONNECTOR IN WORSE CONDITION,

SPRING I/P TOUCH PCB. 50 INHIBI CIRCUIT IN SPRING I/P AREA.



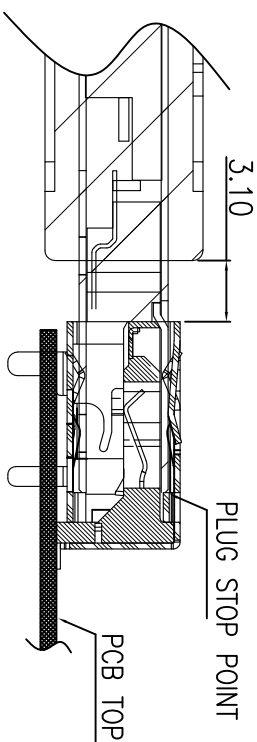
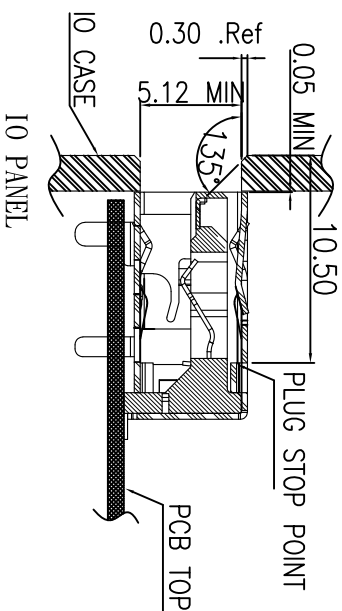
Section B-B

[illegible]



RECOMMENDED P.C.B LAYOUT TOP VIEW
TOLERANCES $\pm 0.05\text{MM}$
 SOLDER AREA

PIN ASSIGNMENT		
Pin Number	Signal Name	Description
1	VBUS	POWER
2	D-	USB2.0 differential pair
3	D+	
4	GND	Ground for Power Return
5	SS RX-	Superspeed receiver differential pair
6	SS RX+	
7	GND_DRAIN	Ground for Power Return
8	SS TX-	Superspeed transmitter differential pair
9	SS TX+	



PLUG INTO RECEPTACLE REPRESENT

		CHECKED		NAME		USB3 Gen1 A1 Row SMT Offset 3.4mm DP Shell/Receptacle		PART NO.		HF	
		Steve				SCALE		JCN-31AG-UGAB-XXXX		RoHS	
		APPROVED				UNIT		JCN-31AG-UGAB-XXXX		THIS IS A ROHS COMPLIANT COMPONENT PRODUCT.	
		Marvin				mm		DOC. NO.			
		Dimension Range Tolerance				SHEET		JCN-31AG-UGAB-XXXX			
		X.X				2/2		JCN-31AG-UGAB-XXXX			
		X.XX									
		X.XXX									
		X.XXX									
		ANGLE									
		45°									
		A4									
		2/2									
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											